

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111  
 Serial Number: 09/847061  
 Filing Date: May 1, 2001  
 Title: POLYHYDROXY GLYCOPEPTIDE DERIVATIVES

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 Dkt: 1343.006US1

### Amendments to the Specification

Please replace the paragraph on page 7, beginning at line 11, with the following amended paragraph:

In another preferred embodiment  $R^{15}$  is a group of formula  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{Y}-\text{R}^b-(\text{Z})_x$  or  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{R}^{17}-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{Y}-\text{R}^b-(\text{Z})_x$  or  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{R}^{17}$  wherein Y,  $R^b$ , Z, and x have any of the values or preferred values described herein, and  $R^{17}$  is hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl, substituted cycloalkenyl, aryl, heteroaryl, or heterocyclic.

Please replace the paragraph on page 12, beginning at line 10, with the following amended paragraph:

In another preferred embodiment  $R^{20}$  is a group of formula  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{Y}-\text{R}^b-(\text{Z})_x$  or  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{R}^{17}-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{Y}-\text{R}^b-(\text{Z})_x$  or  $-\text{CH}_2-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_2-\text{R}^{17}$  wherein Y,  $R^b$ , Z, and x have any of the values or preferred values described herein, and  $R^{17}$  is hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl, substituted cycloalkenyl, aryl, heteroaryl, or heterocyclic.

Please replace the paragraph on page 16, beginning at line 11, with the following amended paragraph:

The term "substituted alkylene" refers to an alkylene group, as defined above, having from 1 to 5 substituents, and preferably 1 to 3 substituents, selected from the group consisting of alkoxy, substituted alkoxy, cycloalkyl, substituted cycloalkyl, cycloalkenyl, substituted cycloalkenyl, acyl, acylamino, acyloxy, amino, substituted amino, aminoacyl, aminoacyloxy, oxyaminoacyl, azido, cyano, halogen, hydroxyl, carboxy, carboxyalkyl, thioaryloxy, thioheteroaryloxy, thioheterocycloxy, thiol, thioalkoxy, substituted thioalkoxy, aryl, aryloxy, heteroaryl, heteroaryloxy, heterocyclic, heterocycloxy, hydroxyamino, alkoxyamino, nitro, -SO-alkyl, -SO-substituted alkyl, -SO-aryl, -SO-heteroaryl, -SO<sub>2</sub>-alkyl, -SO<sub>2</sub>-substituted alkyl, -

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SO<sub>2</sub>-aryl and -SO<sub>2</sub>-heteroaryl. Additionally, such substituted alkylene groups include those where 2 substituents on the alkylene group are fused to form one or more cycloalkyl, substituted cycloalkyl, cycloalkenyl, substituted cycloalkenyl, aryl, heterocyclic or heteroaryl groups fused to the alkylene group. Preferably such fused groups contain from 1 to 3 fused ring structures. Additionally, the term substituted alkylene includes alkylene groups in which from 1 to 5 of the alkylene carbon atoms are replaced with oxygen, sulfur or -NR- where R is hydrogen or alkyl. Examples of substituted alkenes are chloromethylene (-CH(Cl)-), ~~aminoethylene (-CH(NH<sub>2</sub>)CH<sub>2</sub>-)~~ aminoethylene (-CH(NH<sub>2</sub>)CH<sub>2</sub>-), 2-carboxypropylene isomers (-CH<sub>2</sub>CH(CO<sub>2</sub>H)CH<sub>2</sub>-), ethoxyethyl (-CH<sub>2</sub>CH<sub>2</sub> O-CH<sub>2</sub>CH<sub>2</sub>-) and the like.